Governor's Task Force on

Modernizing Transportation Funding in Idaho

— Why Infrastructure Matters —

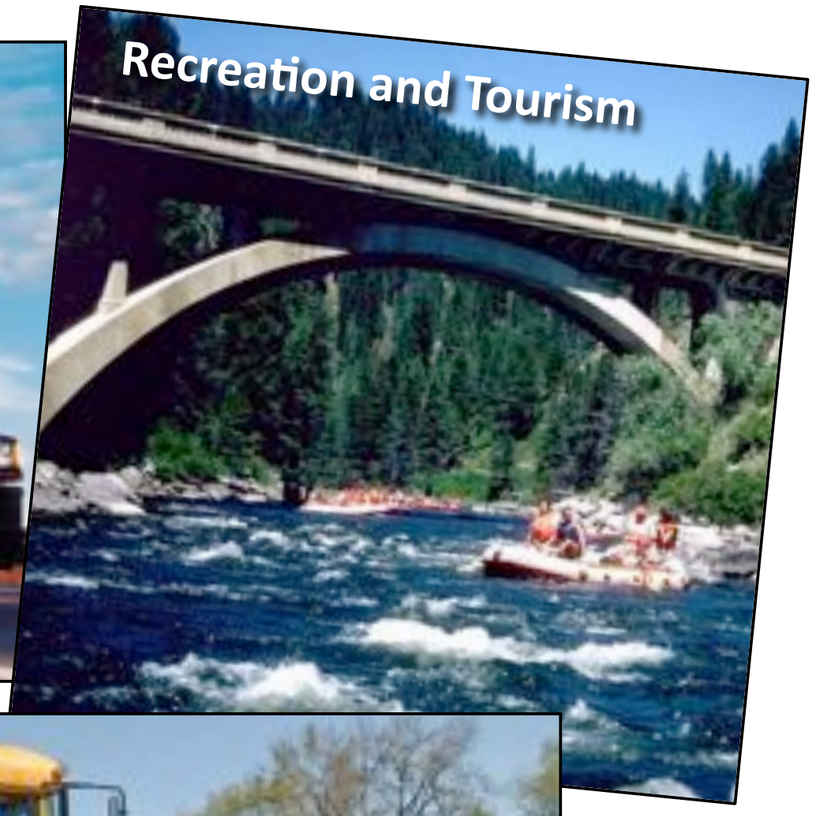
Why Transportation Infrastructure Matters

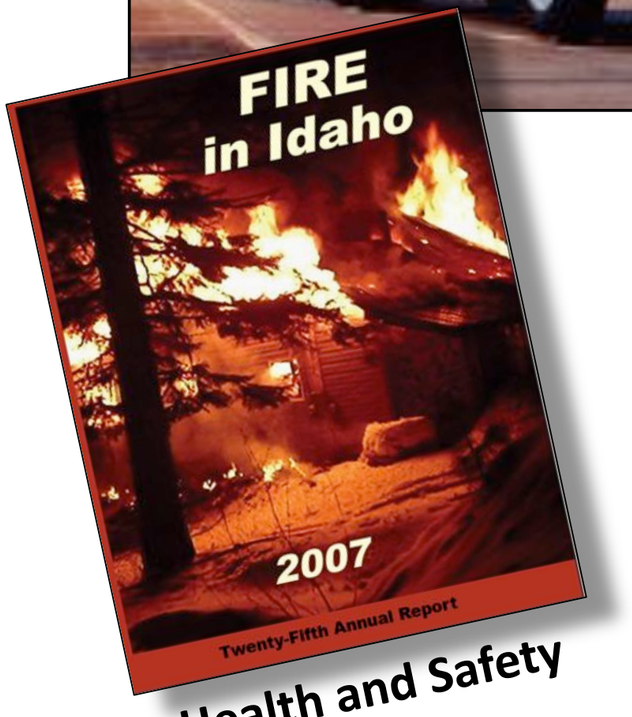
Today's Presentation:

- **We rely on the transportation system for our economy**
- **System overview**
- **Providing a safe transportation system**

Governor's Transportation Funding Task Force, August 2009

We Rely on the Transportation System for Our Economy





Health and Safety

Jobs and Education

We Rely on the Transportation System for Our Economy

Size of Idaho's economy

- More than 151 million tons of products are transported via Idaho's multi-modal transportation system annually
- Idaho manufacturers ship over $15 billion in products within the state annually (2006)
- To remain profitable, Idaho's 150,000 businesses require an efficient, well-maintained transportation system

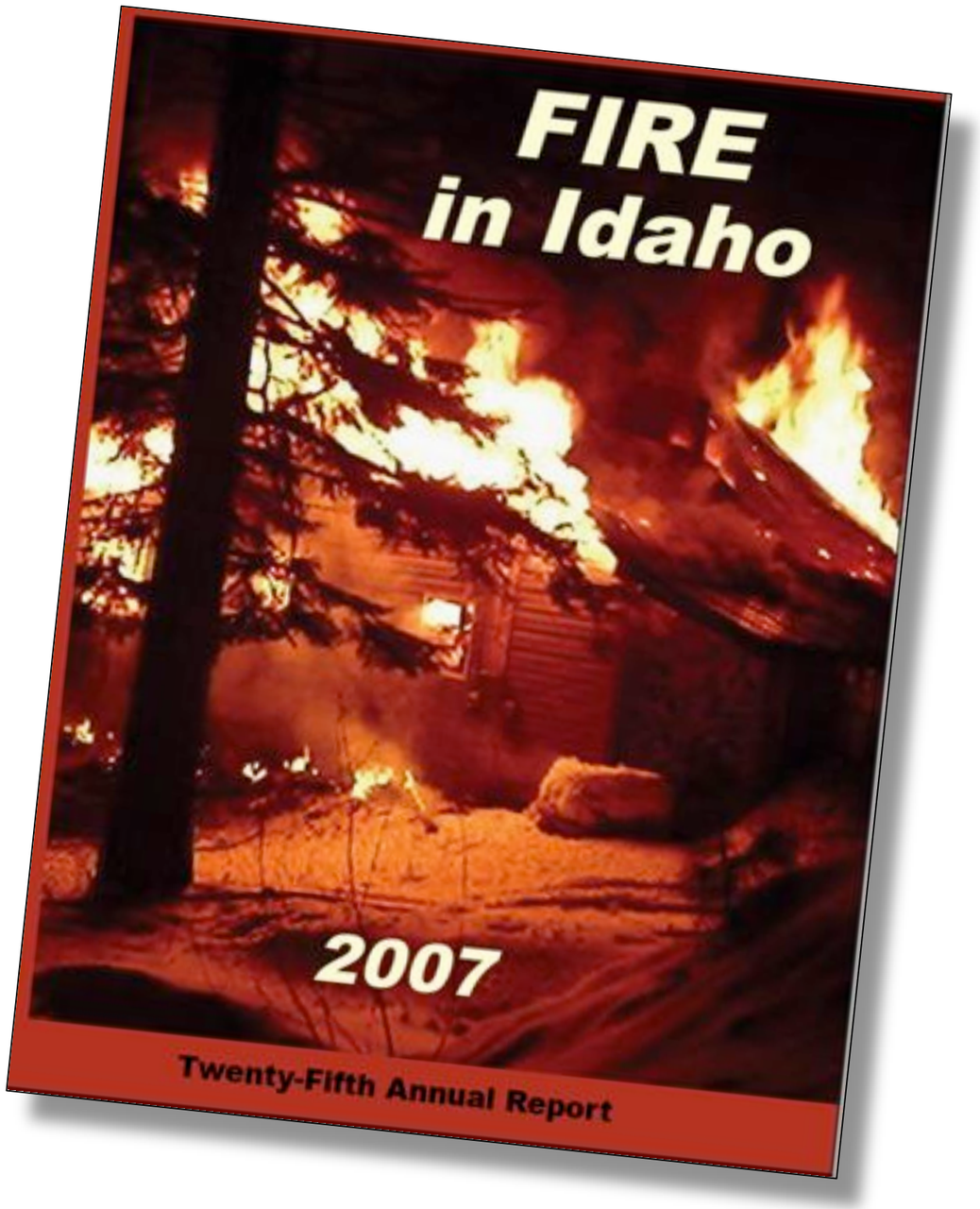
We Rely on the Transportation System for Our Economy

Health and safety

In 2007:

- Fire and emergency personnel used Idaho roads to respond to over 79,800 incidents
- Ambulances transported over 165,000 patients on Idaho roads

An open, accessible transportation system is crucial to emergency responders' ability to save lives



We Rely on the Transportation System for Our Economy

Jobs

Idaho has over 51,000 employers providing jobs to hundreds of thousands of employees who must travel to and from work

We Rely on the Transportation System for Our Economy

Education

K through 12 students
riding school buses: 105,000

K through 12 students
using other modes of travel: <u>145,000</u>

TOTAL: 250,000

We Rely on the Transportation System for Our Economy

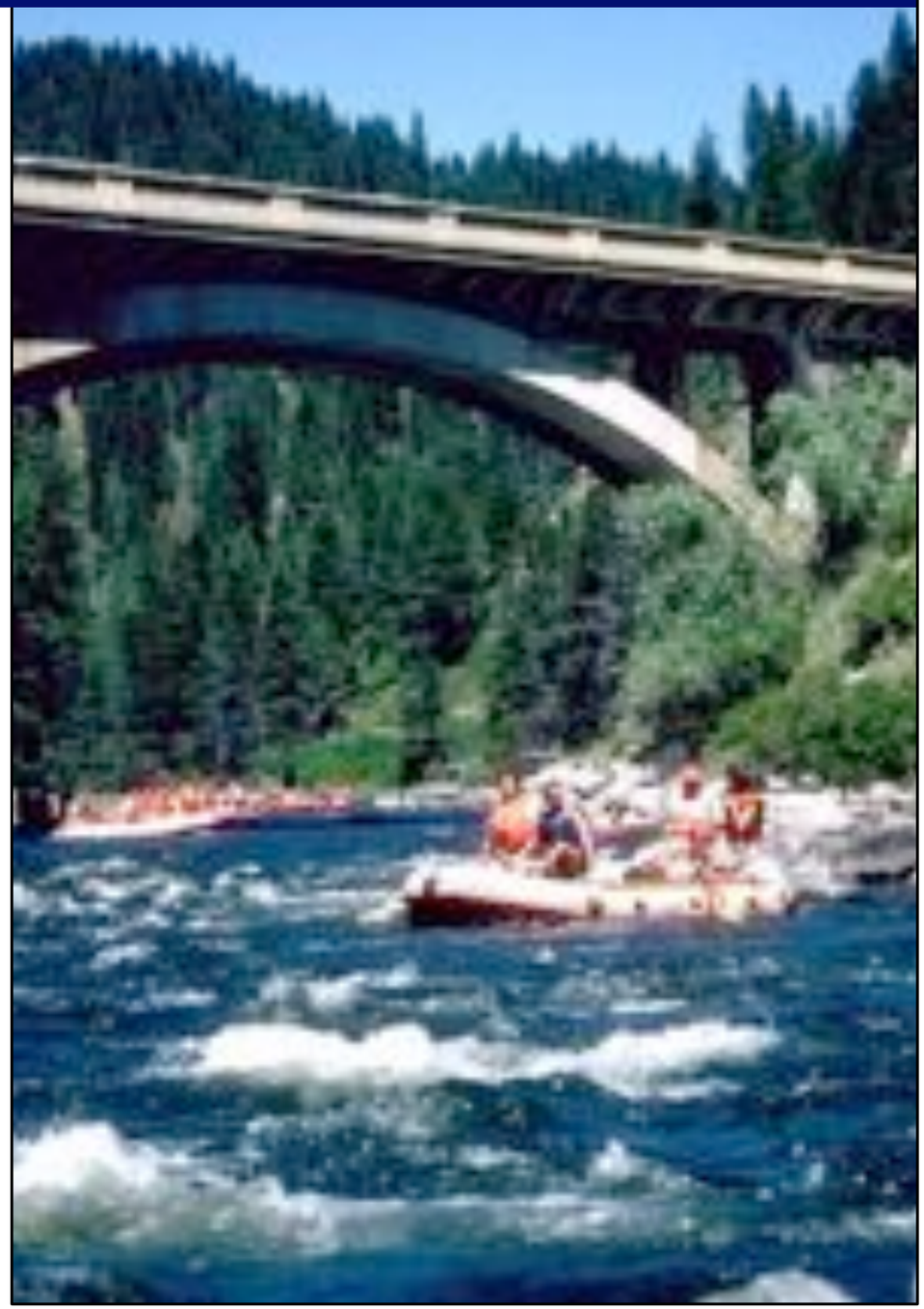
Recreation and Tourism

- Americans spend eight percent of their annual transportation dollars on travel away from home

- Idaho receives 31.7 million annual person-trips by out-of-state visitors

- 84% of all overnight visits to Idaho are for leisure activities

- Visitors to Idaho spend $2.7 billion per year



System Overview

The investments we have made

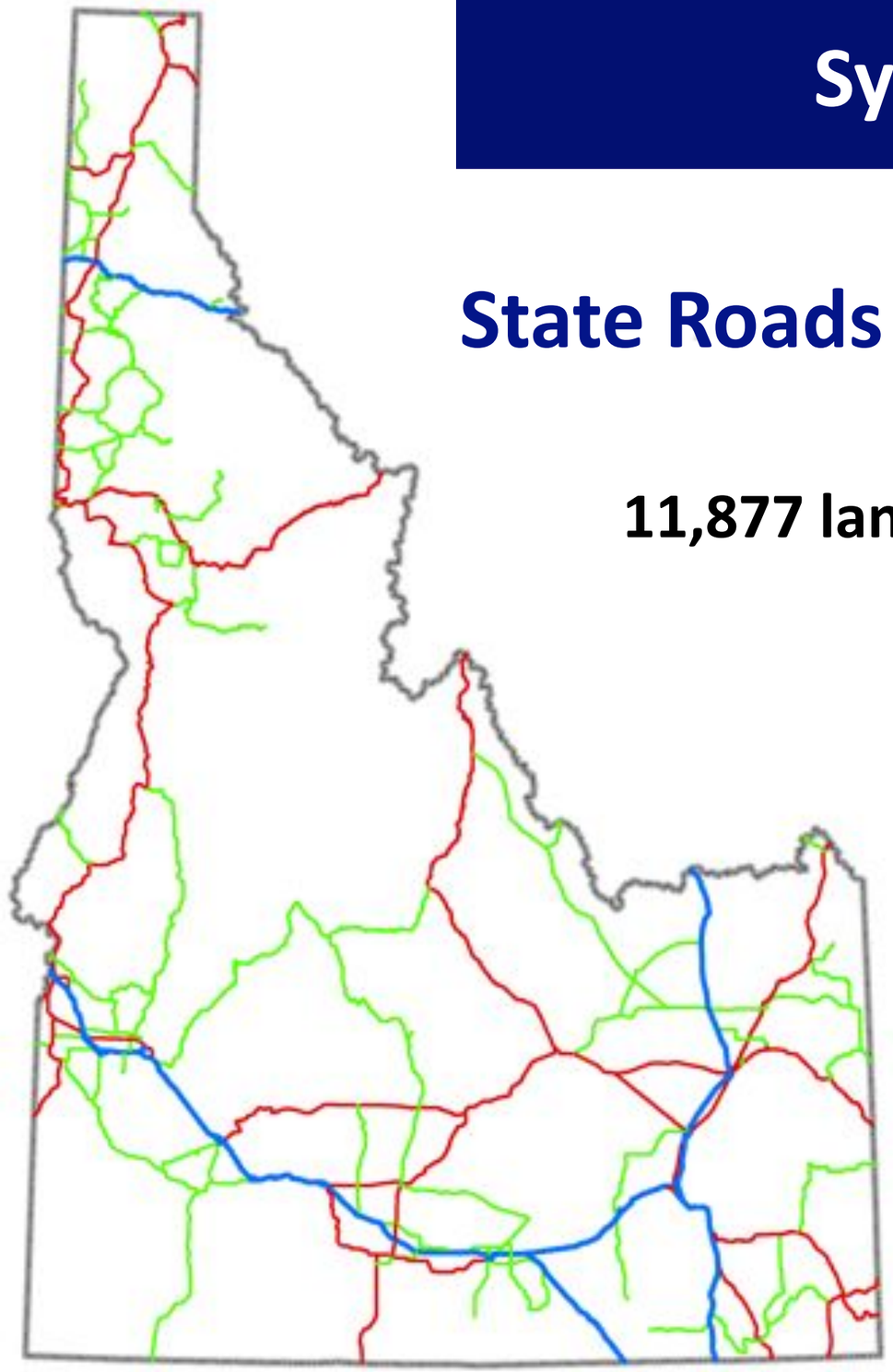
System Overview
— State and Local —

State and local transportation agencies own, manage, or operate:

- 79,747 lane miles of improved roads in Idaho
- 4,137 bridges *(17.1 million square feet of bridge deck)*
- 98 unrestricted public-use airports
- 110 public transit vehicles*
  An additional 59 buses and vans are being purchased with stimulus funds

**ITD administers the funding used to purchase the vehicles.*

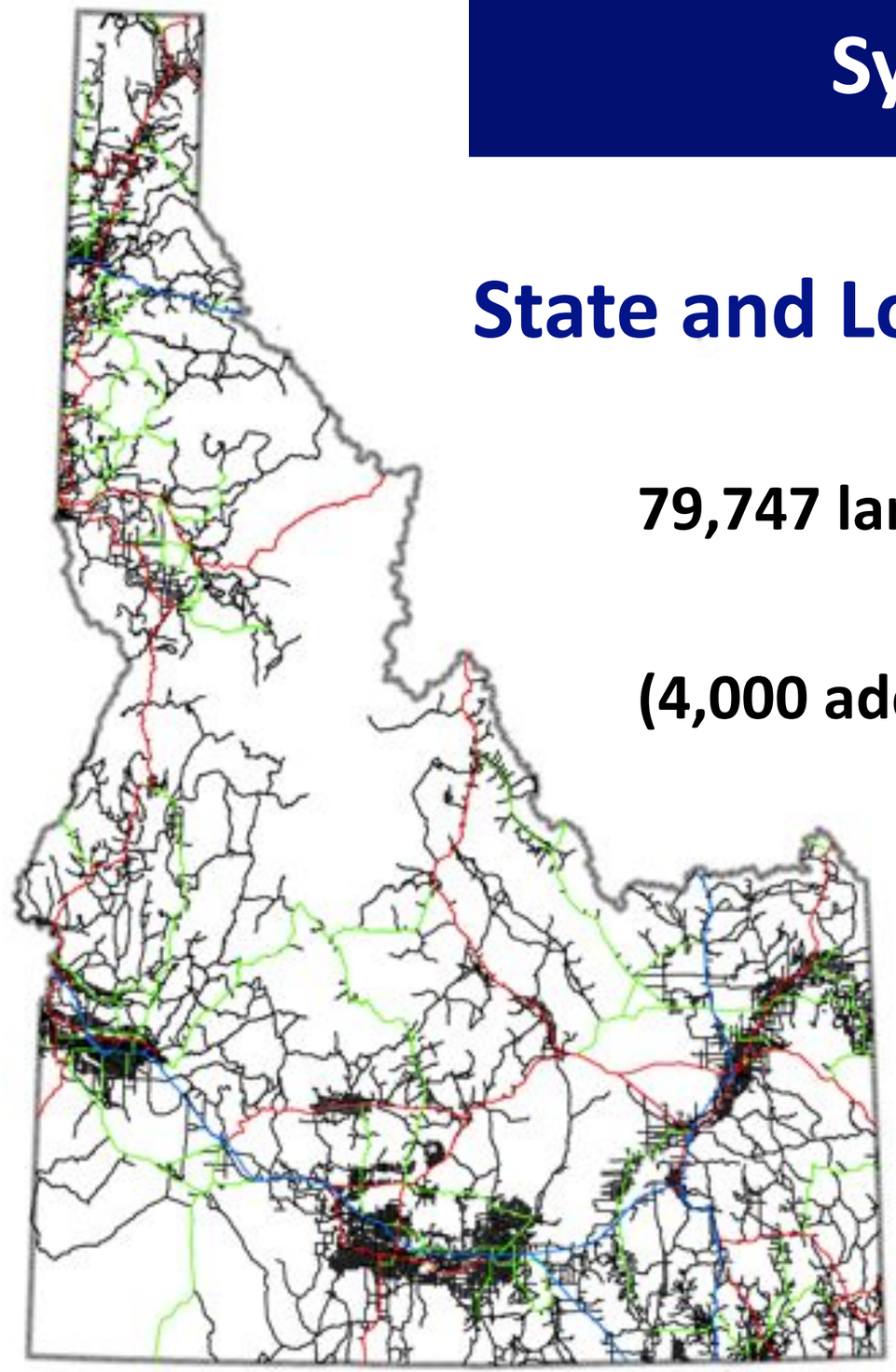
System Overview



State Roads

11,877 lane miles

System Overview



State and Local Roads

79,747 lane miles

(4,000 added since 1995)

System Overview
— State and Local —

Putting it in perspective

- 79,747 lane miles like driving from Boise to New York City **32 times**

Distance from Boise to New York City: 2,472 miles

- The local system alone is long enough to wrap around the earth 2.7 times

System Overview
— State and Local —

Putting it in perspective

- 17.1 million square feet of bridge deck is equivalent to the surface area of 356 football fields*

*from goal post to goal post

Infrastructure Support
— State and Local —

Beyond the Roads

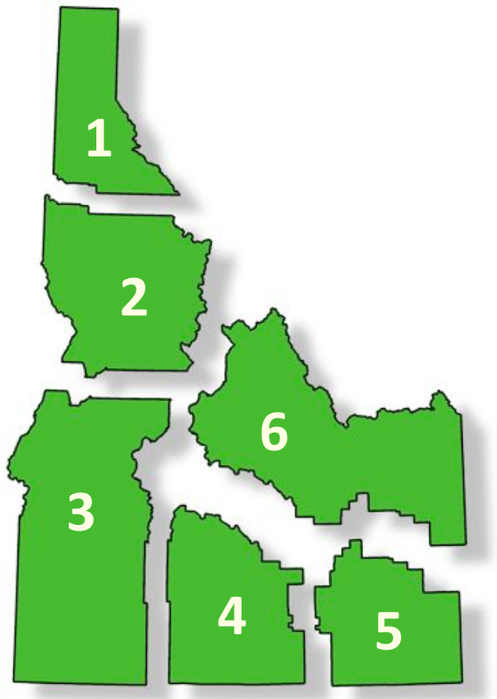
- **Equipment**
- **Maintenance Yards**
- **Sand and Salt Stockpiles**
- **Rest Areas**
- **DMV** (state and county offices)
- **Public Transportation**

Providing a Safe Transportation System

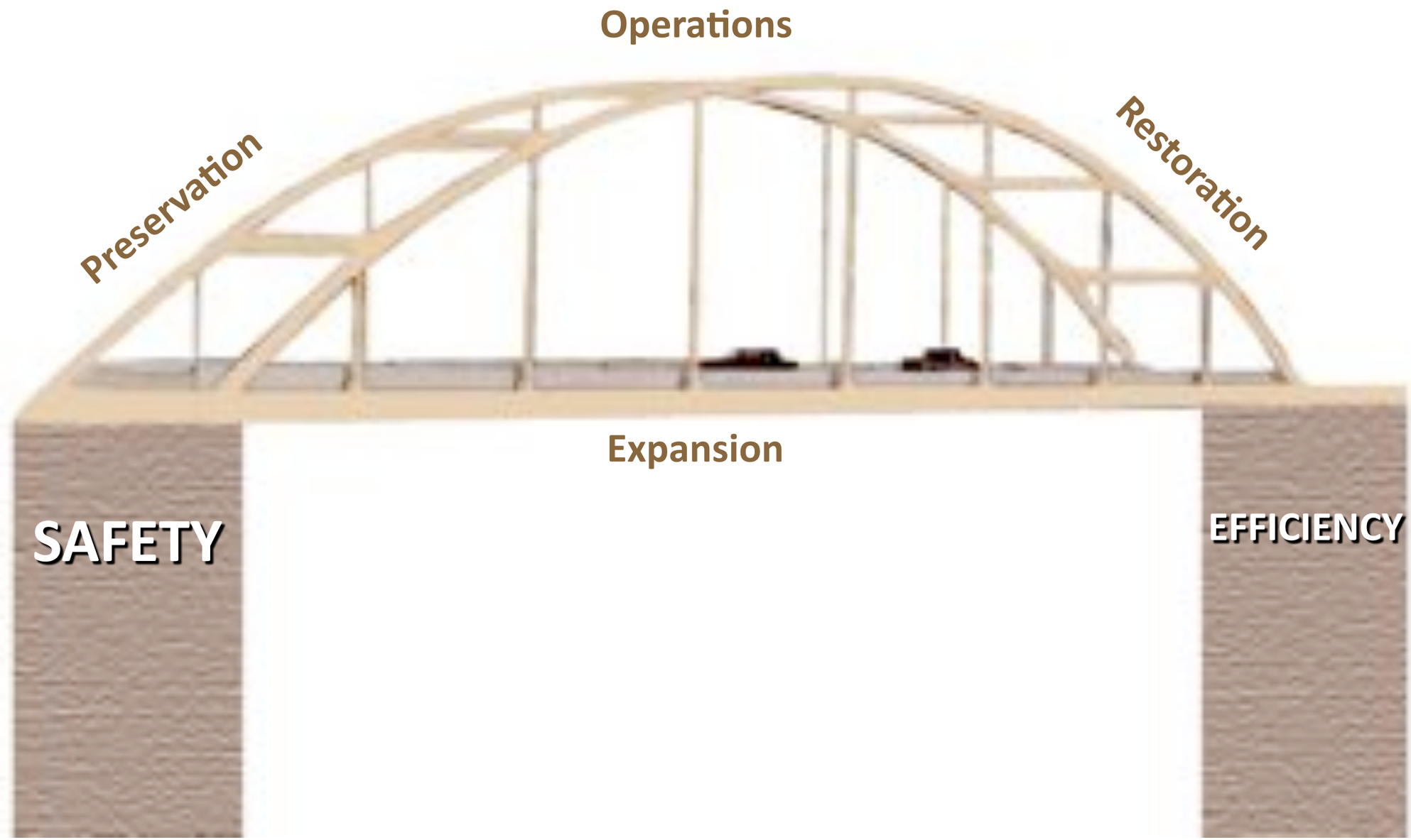
Providing a Safe Transportation System

- **290 Local Highway Jurisdictions**
  - 64 Highway Districts
  - 33 Counties
  - 193 Cities

- **6 ITD Districts**



Providing a Safe Transportation System



Providing a Safe Transportation System

- Idahoans have a culture with established expectations

- One primary expectation is that the transportation network is **safe**, **efficient**, and **open for business**

- #1 Priority: ***Safety***

Operations and Maintenance Activities

- Winter Operations
- Bridge Repair
- Traffic Signals
- Pavement Maintenance
- Lighting Systems
- Guardrail Repair
- Signs
- Striping
- Development Coordination
- Planning
- DMV
- Public Transportation
- Aeronautics
- Ports of Entry

Providing a Safe Transportation System

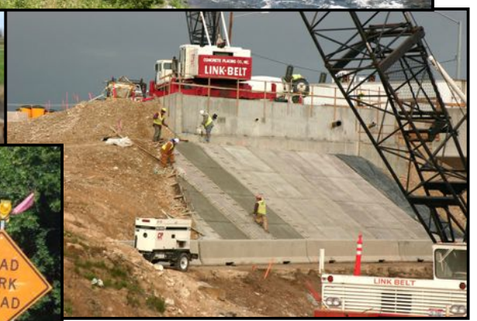
PRESERVATION ACTIVITIES

- Pavement Preservation
- Seal Coats
- Bridge Preventative Maintenance
- Bridge Cleaning

RESTORATION ACTIVITIES

- Pavement Removal and Replacement
- Bridge Deck Replacement

#1 Priority: ***Safety***



Providing a Safe Transportation System

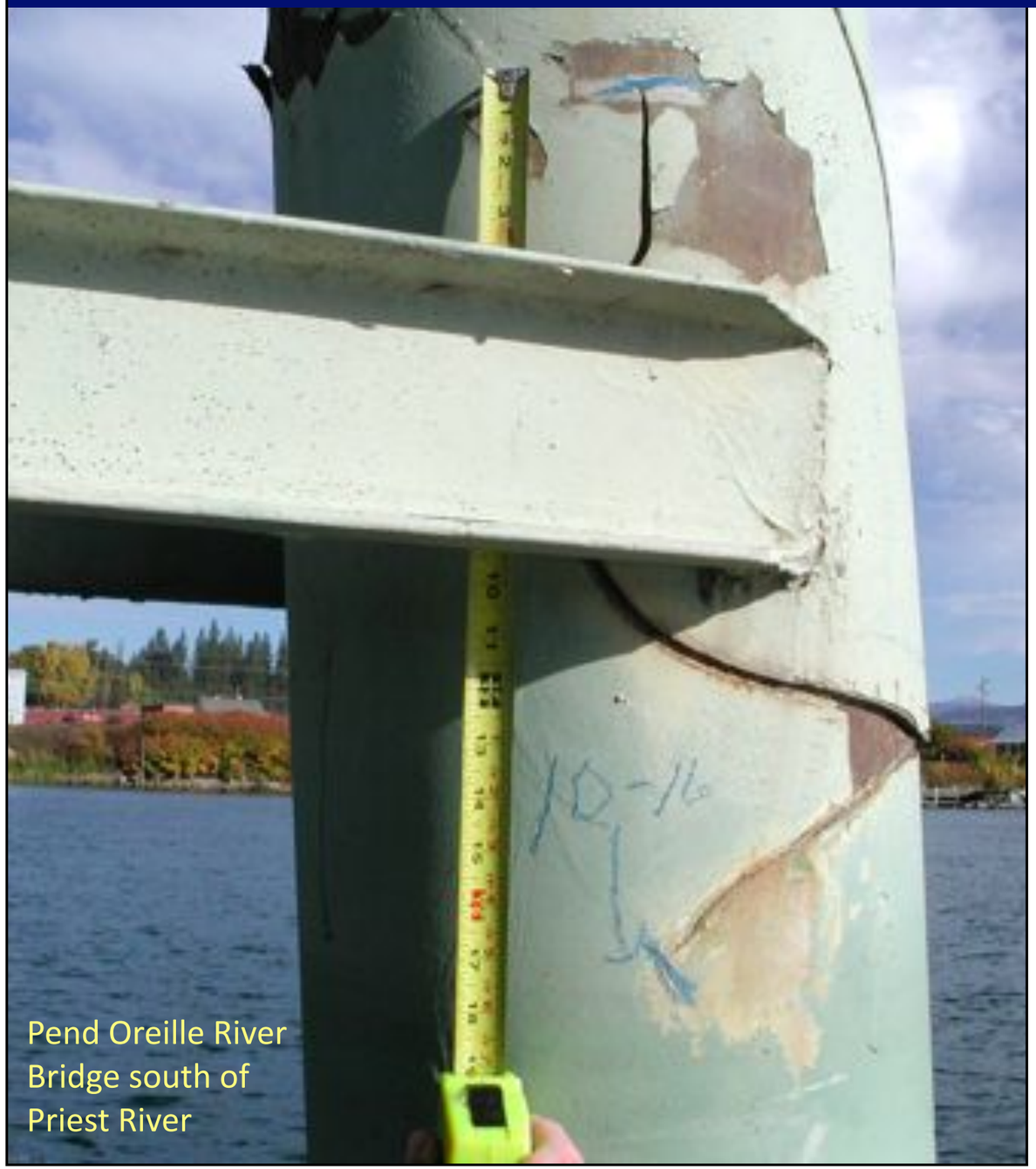
- **Providing Additional Capacity**
- **Adding New Facilities**
- #1 Priority: ***Safety***

EXPANSION ACTIVITIES

- Safety Projects
- Turn Bays
- Auxiliary Lanes
- Accommodate Growth
- Improve Shoulders
- Modern Safety Standards

Competing Factors to Providing a Safe, Efficient System

Competing Factors to Providing a Safe, Efficient System



- **Rapid population growth**
- **Rising construction costs**
- **An aging system**
- **Flat revenue**

Competing Factors to Providing a Safe, Efficient System

From 2000 to 2008, Idaho was the 5th fastest growing state

Population Growth, 2000 – 2008

- Nevada + 30.1%
- Arizona + 26.7%
- Utah + 22.5%
- Georgia + 18.3%
- **Idaho + 17.8%**
- Texas + 16.7%
- Colorado + 14.8%
- Florida + 14.7

Impacts

- Increased congestion
- Increased need for safety projects
- Increased wear on the system

Competing Factors to Providing a Safe, Efficient System

Much of the highway system was built over 40 years ago

Most of Idaho's Interstate System was built in the 1960s

A large number of Idaho's bridges were built at the same time

Bridges are designed to last 50 years

Half of the bridges on the State Highway System will be over 50 years old in the next eight years

Impacts

- Restricted bridges
- Increased deterioration
- Safety and capacity deficiencies

Competing Factors to Providing a Safe, Efficient System

Construction Costs are Rising

Material Type	Cost 1999 - 2003	Cost 2004 - 2006	Cost 2008 - 2009
Oil for Asphalt (per ton)	**$211** Belgrove to Mica (2001)	**$290** I-90 Paving (2006)	**$865** Osgood to Roberts (2009)
Plant Mix Paving (per ton)	**$29.24** Arrow to Turkey Farm (1999)	**$44.45** Lewiston Hill to Genesee (2004)	**$60.00** U.S. 95, Milepost 430 - 436 (2008)
Aggregate for Base (per ton)	**$7.07** Yale Road, Cassia County (2003)	**$14.32** Twin Falls Alt. Route, Stage 1 (2005)	**$11.80** Chubbuck to Pocatello Cr. IC (2009)
Base Rock (per ton)	**$5.26** Arrow to Turkey Farm (1999)	**$13.61** Lewiston Hill to Genesee (2004)	**$12.75** Twin Falls Alt. Route (2009)
Bridge Deck Concrete (per sq. yard)	**$298** South Fork Palouse River (2003	**$784** I-84, Milepost 17 - 23 (2006)	**$581** Twin Falls Alt. Route (2009)

Competing Factors to Providing a Safe, Efficient System

Revenue is Flat

Fuel taxes are not indexed

Increasingly efficient cars and trucks are using less fuel

Driving habits have changed due the economy and higher fuel prices

The gas tax has not been raised since 1996

Impacts

- More congestion
- More deficient pavement
- More deficient bridges
- Decreased safety

Accountability

Transportation Officials Have Responsibilities

- Performance
- Efficiency
- Smart Solutions
- Achieve Benefits
  - Executive Order
  - Legislative Audit